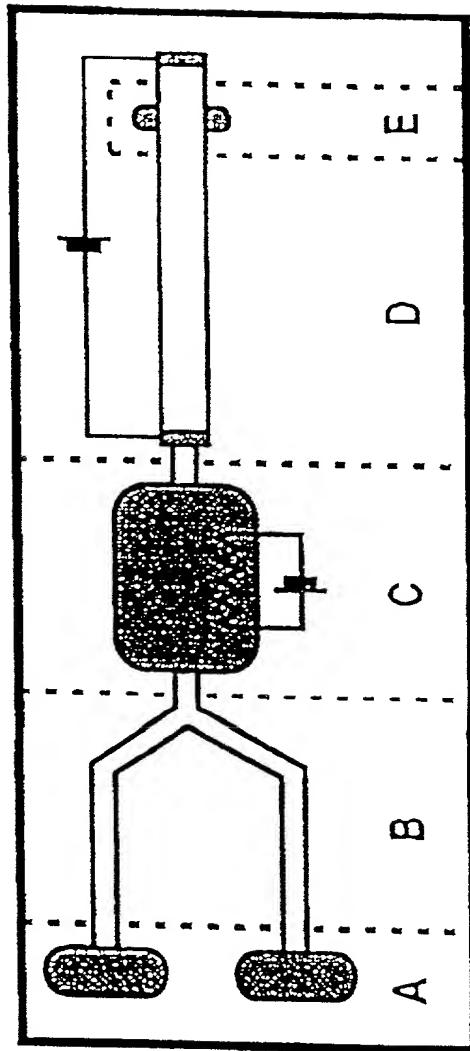


FIG. 1



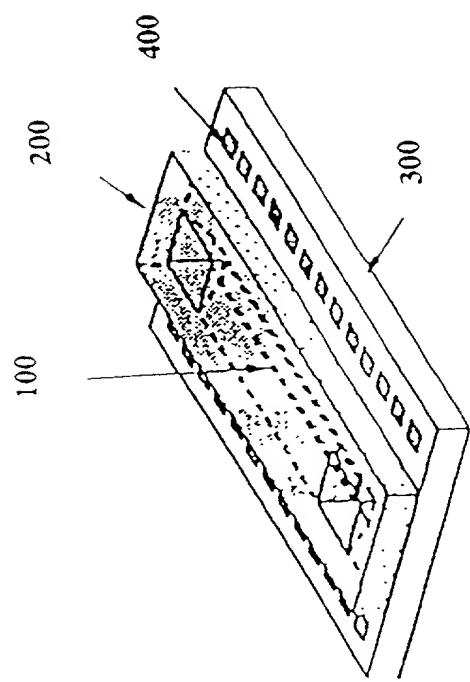


FIG. 2

1000 800 600 400 200 0

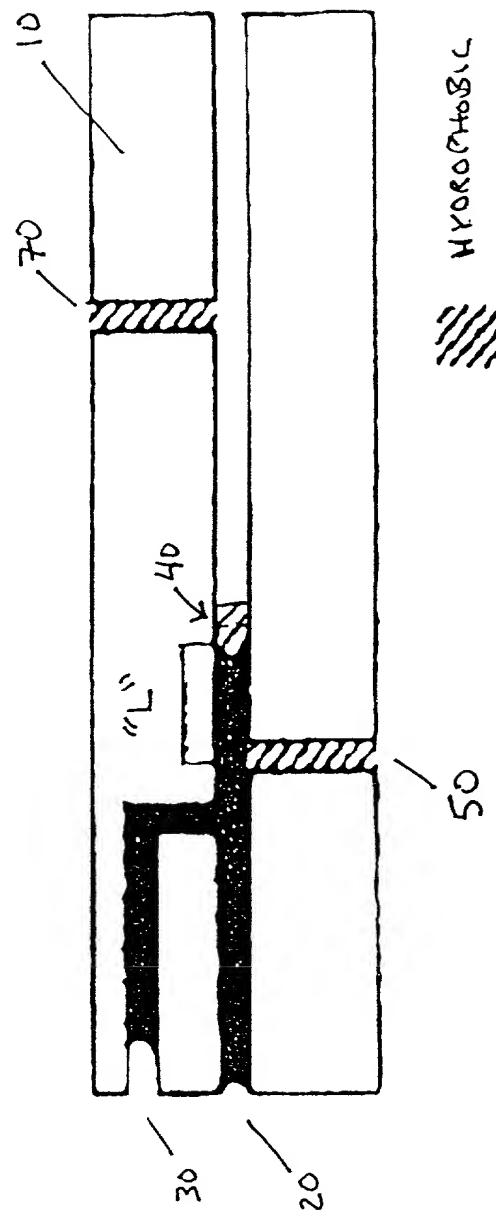


FIGURE 3A

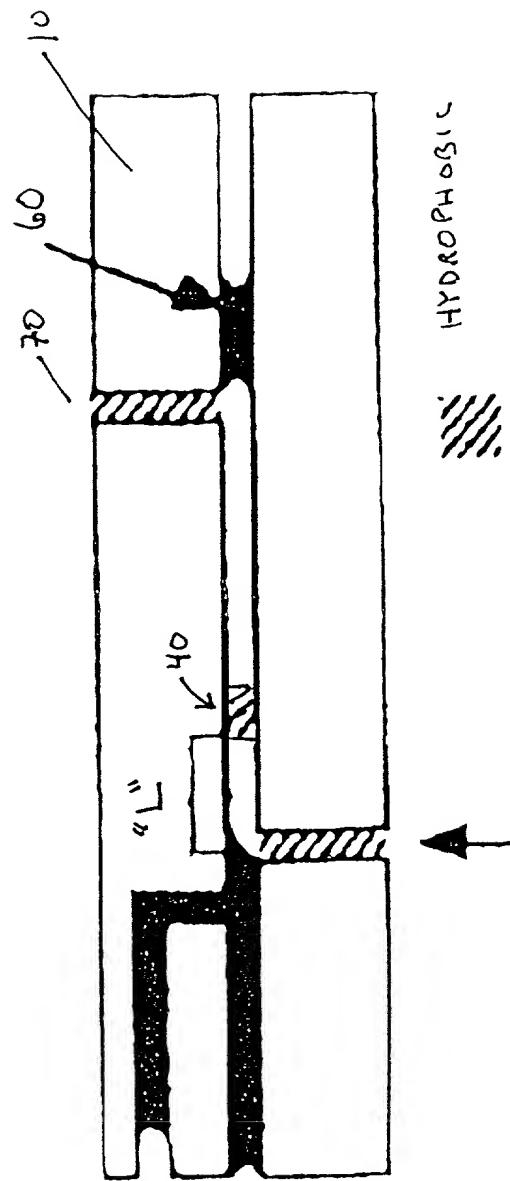


FIGURE 3B

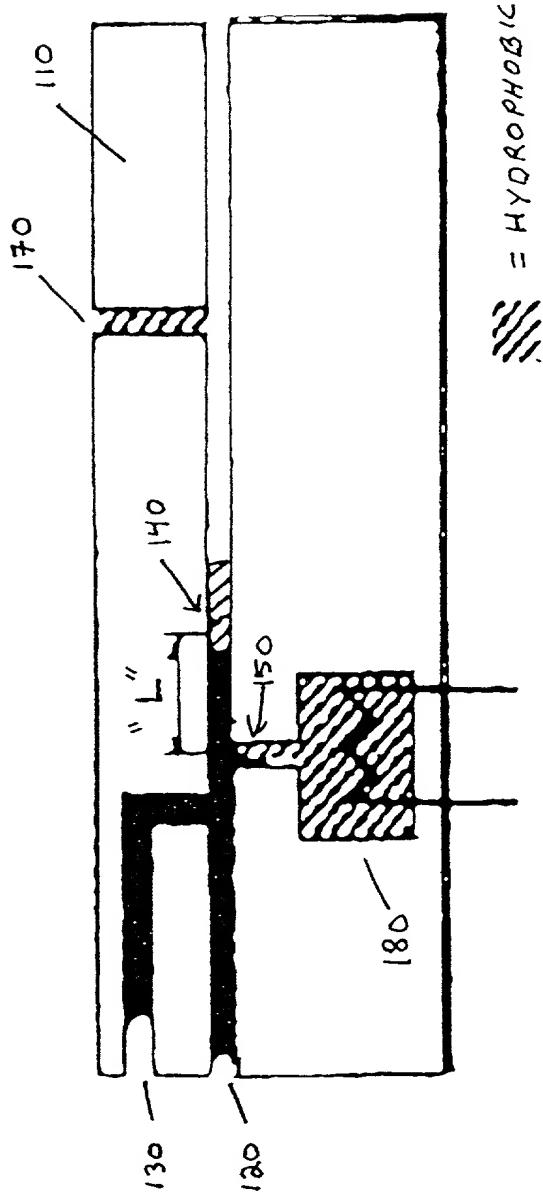


FIGURE 4A

Hydrophobic

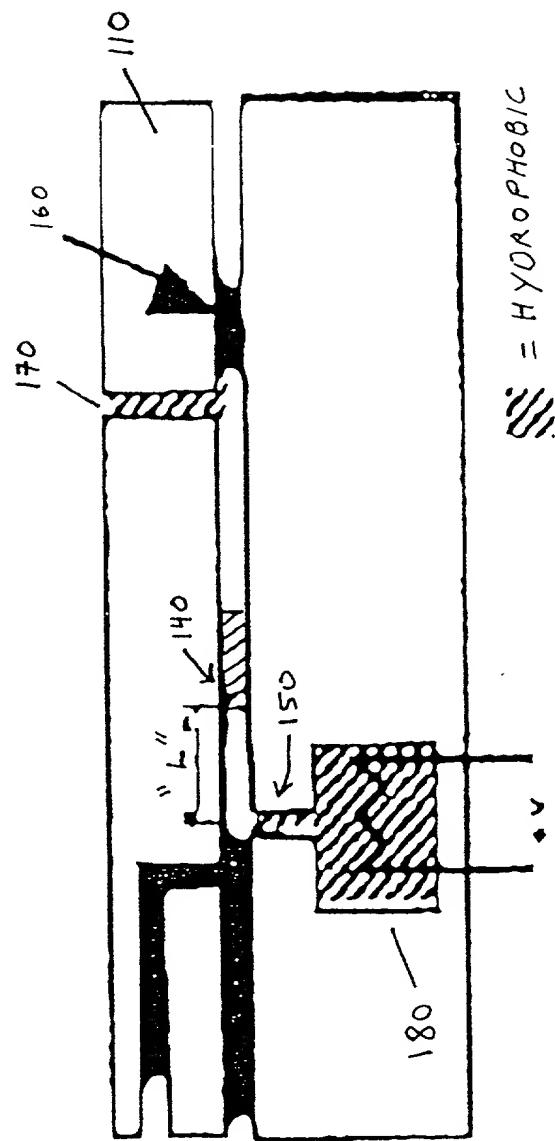


FIGURE 4B

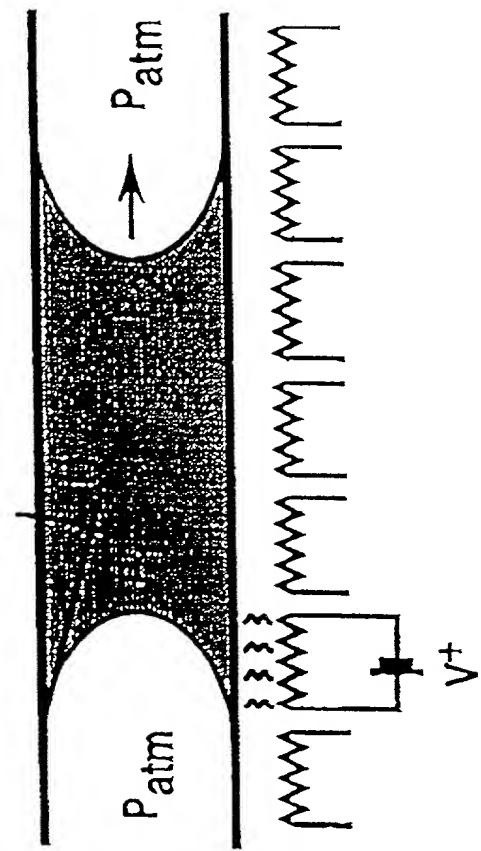


FIGURE 5

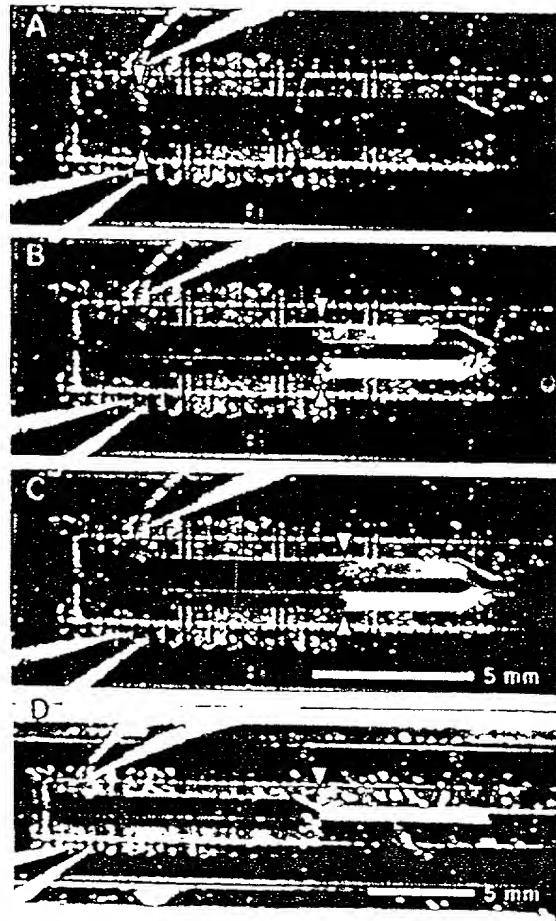


FIGURE 6

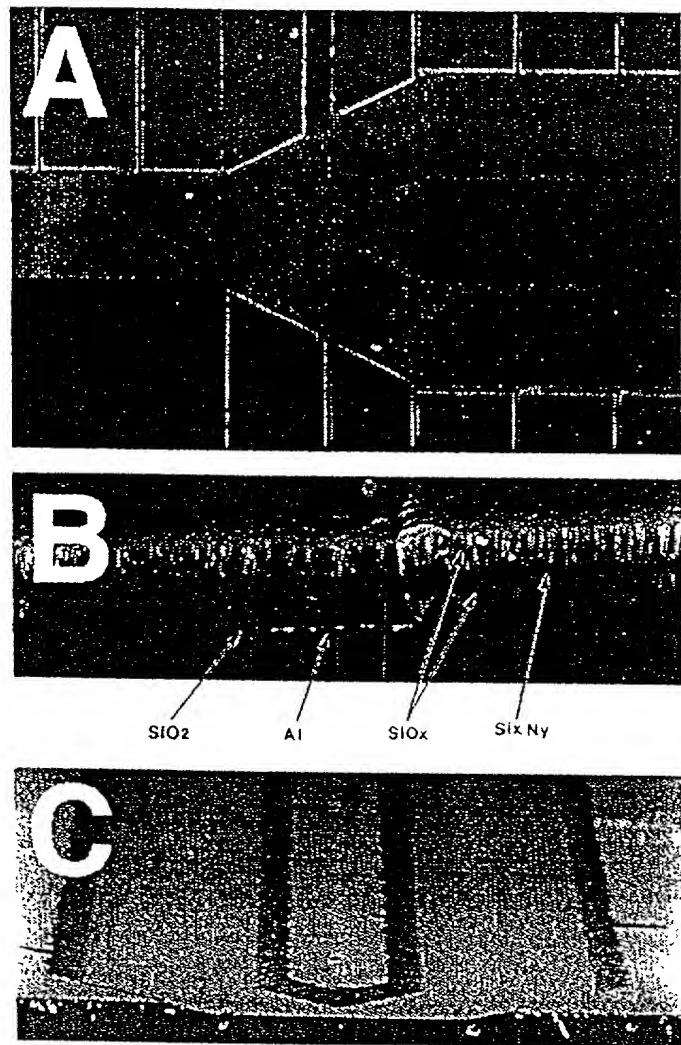


FIGURE 7

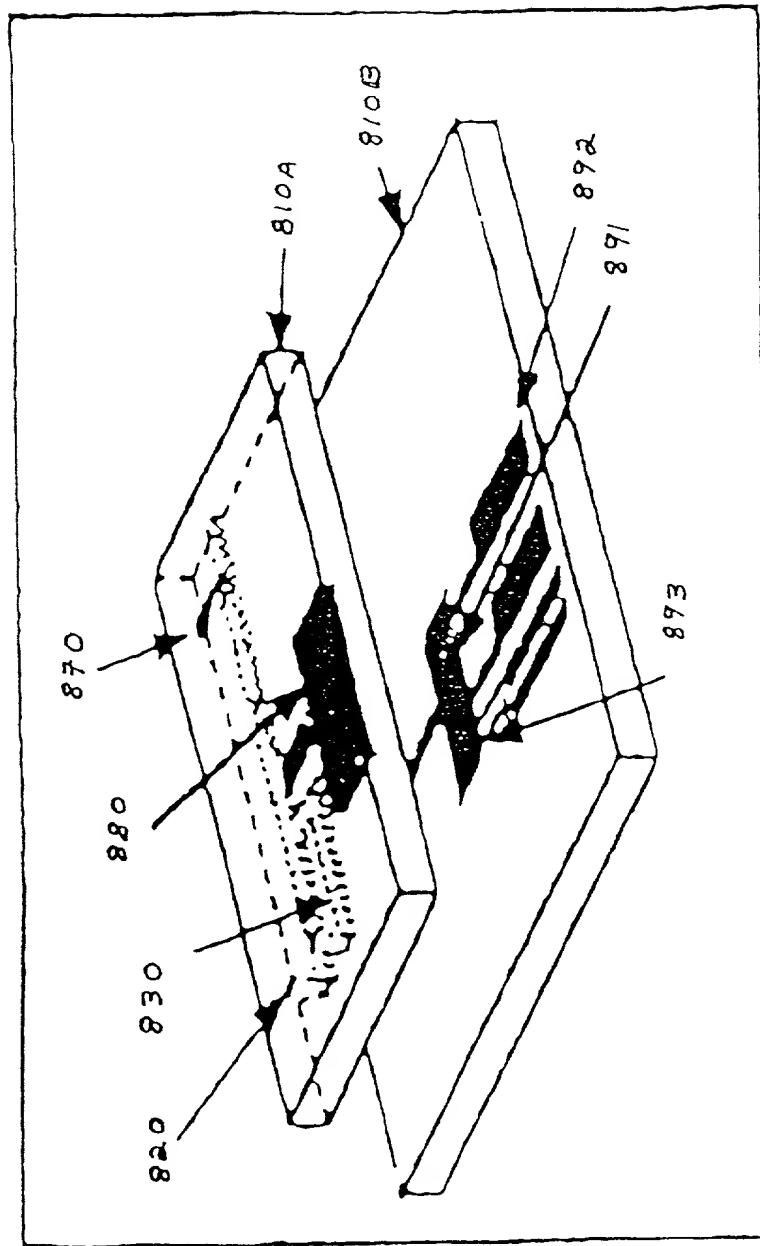


FIGURE 8A

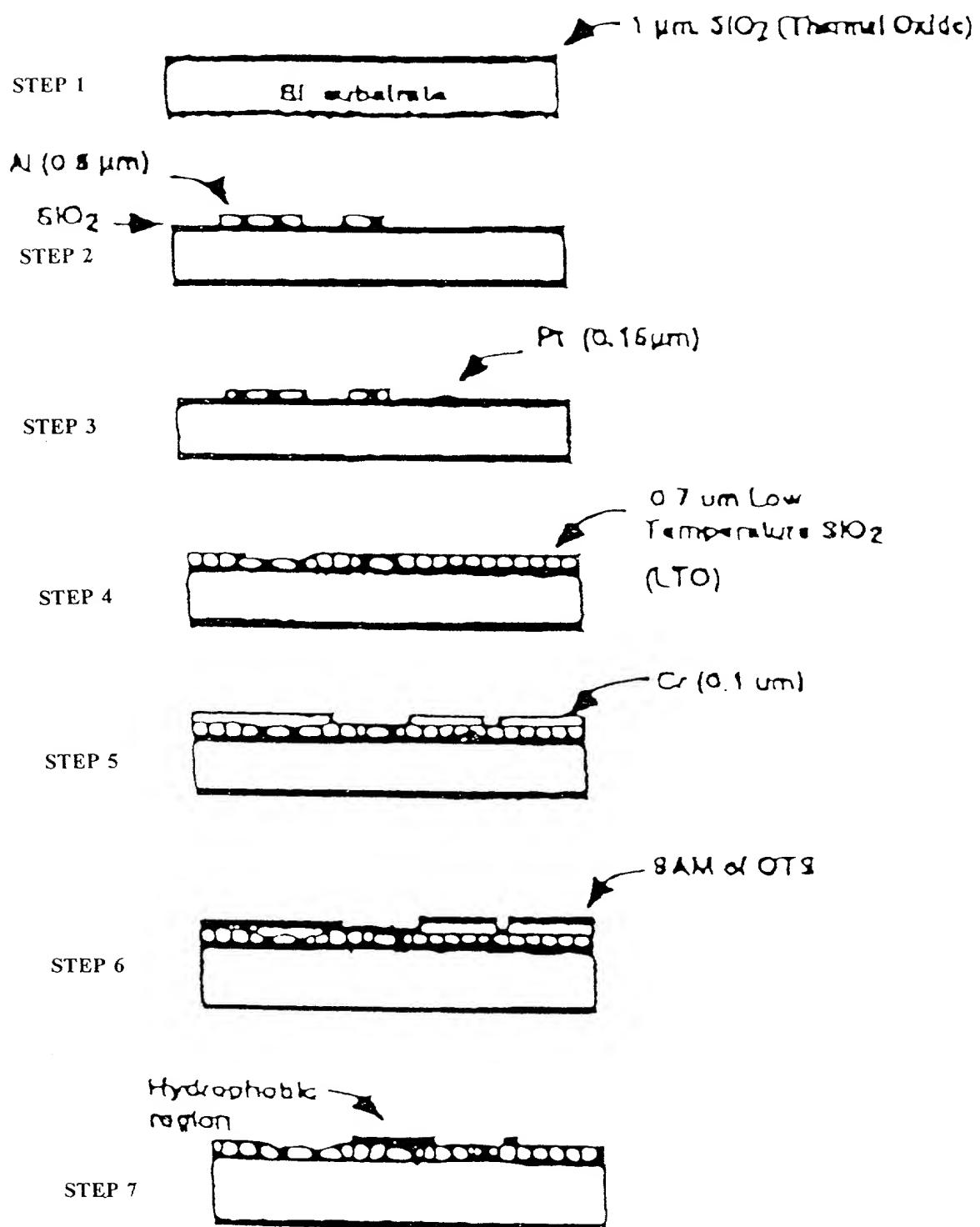


FIGURE 8B

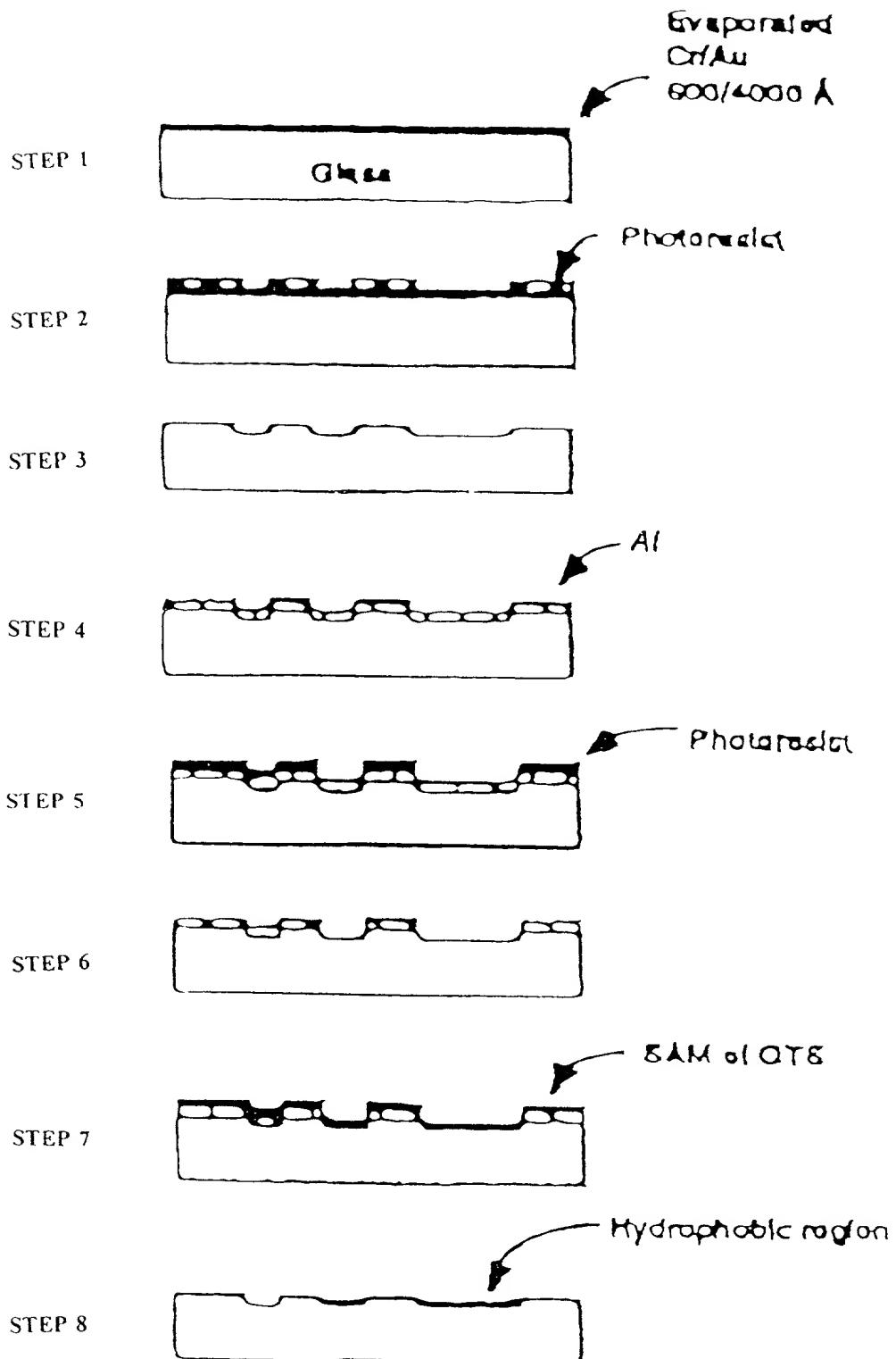


FIGURE 8C

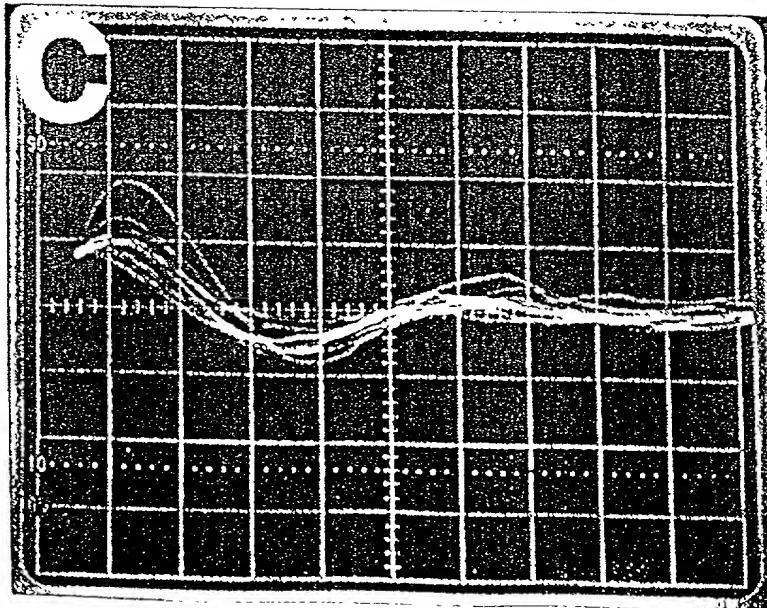
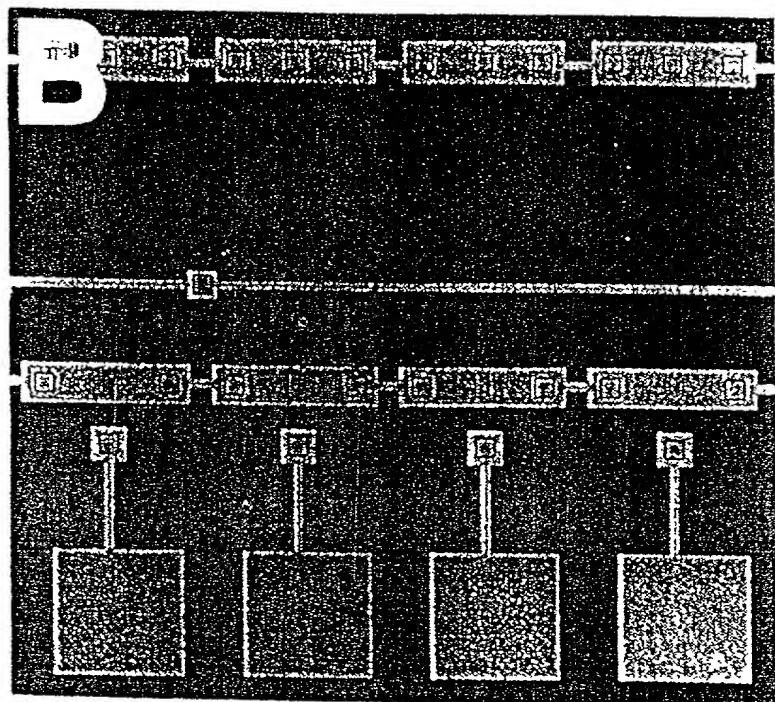
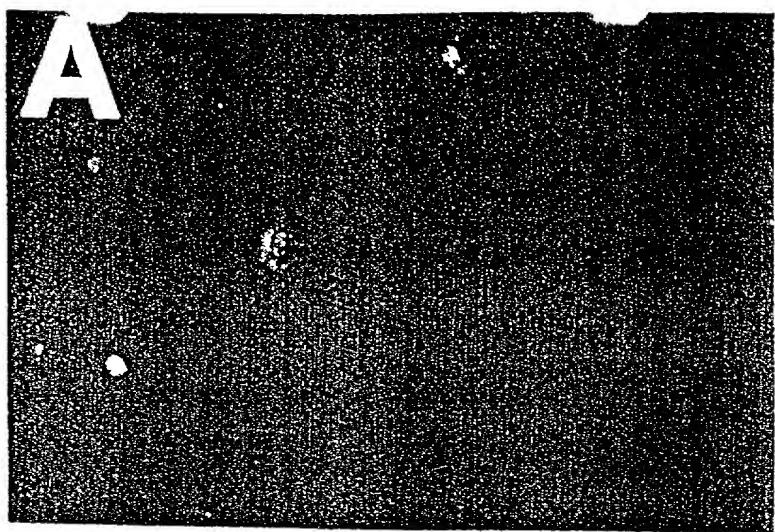
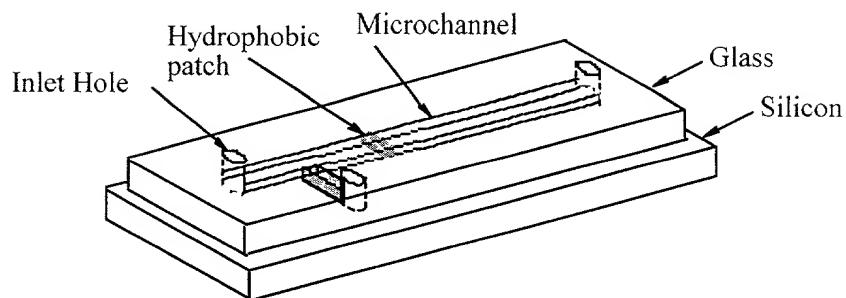
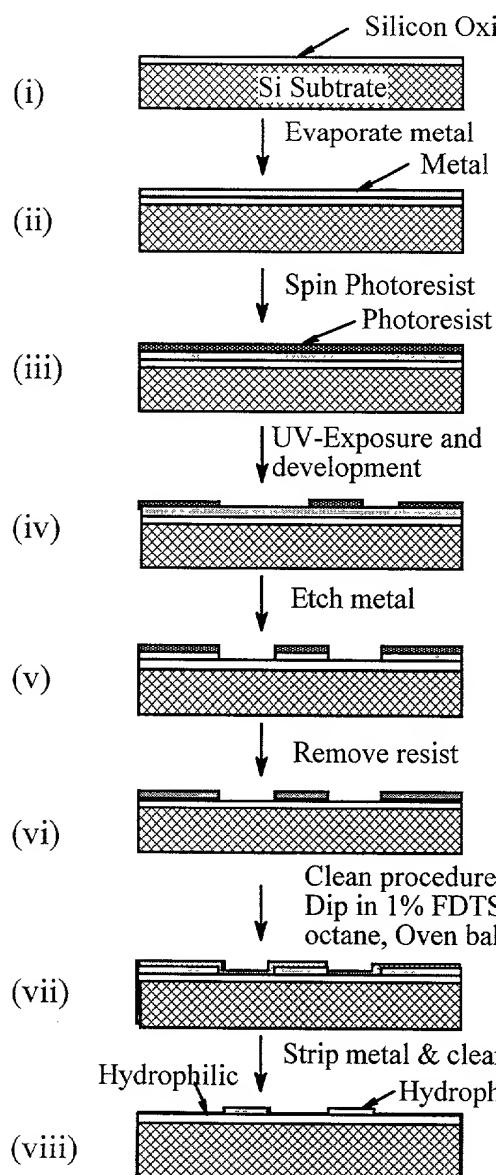


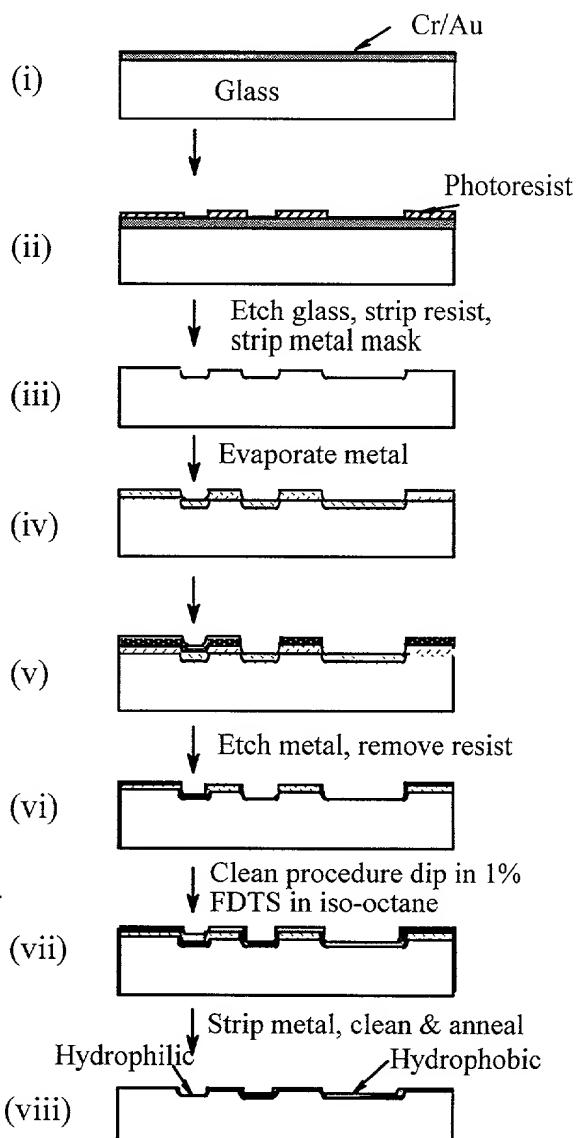
FIGURE 9



(a)

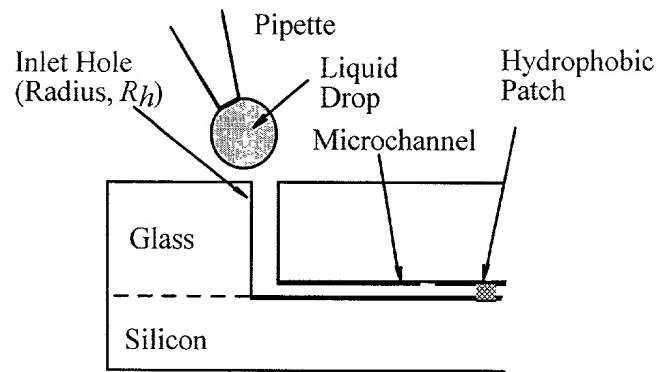


(b)

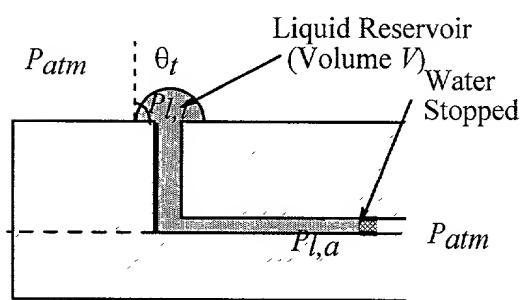


(c)

Figure 10

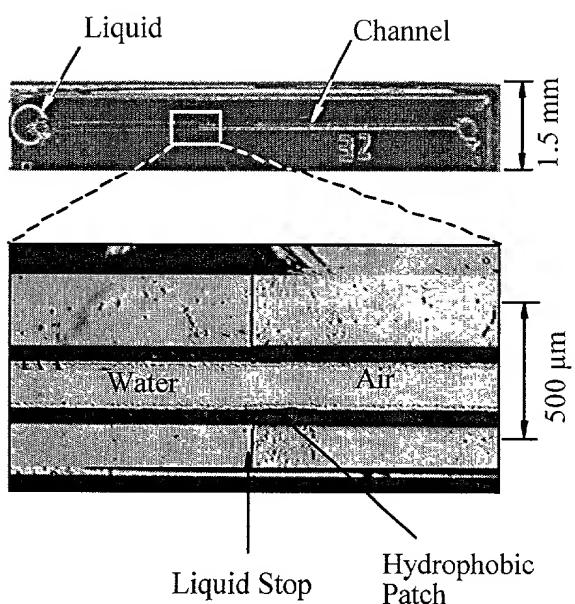


(i)



(ii)

(a)



(b)

Figure 11

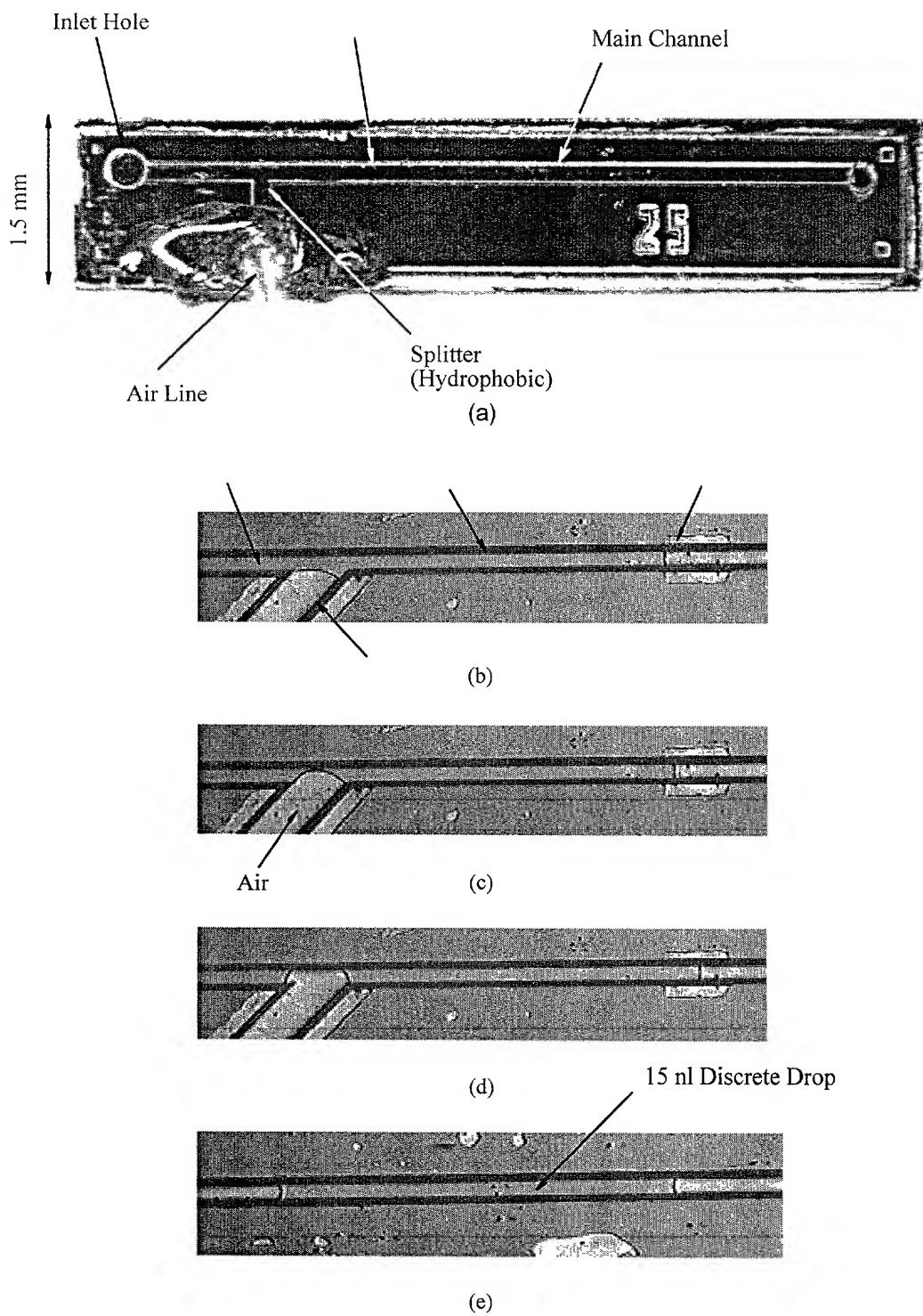
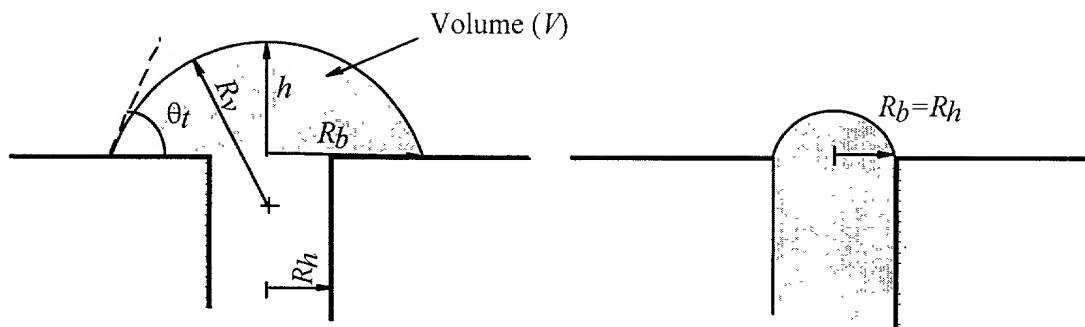
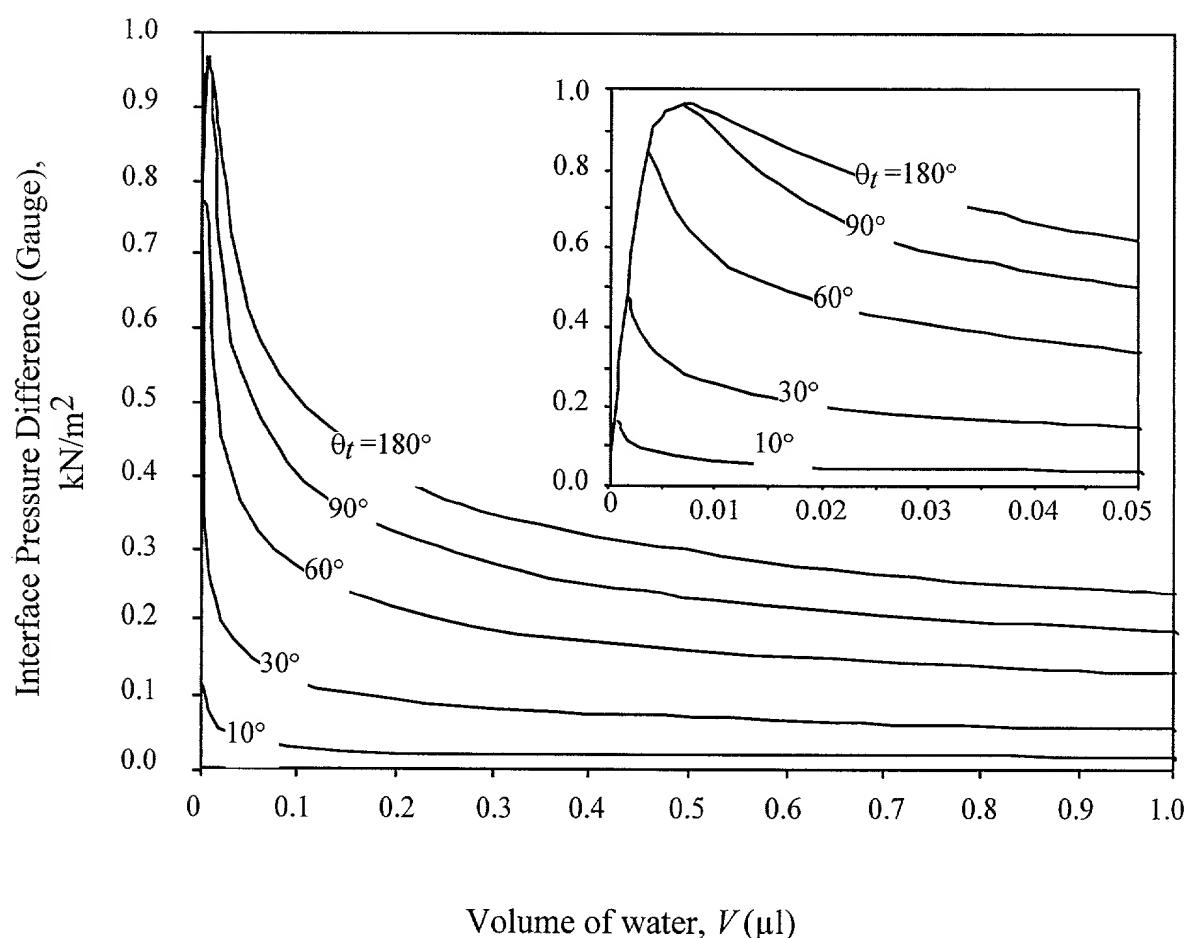


Figure 12



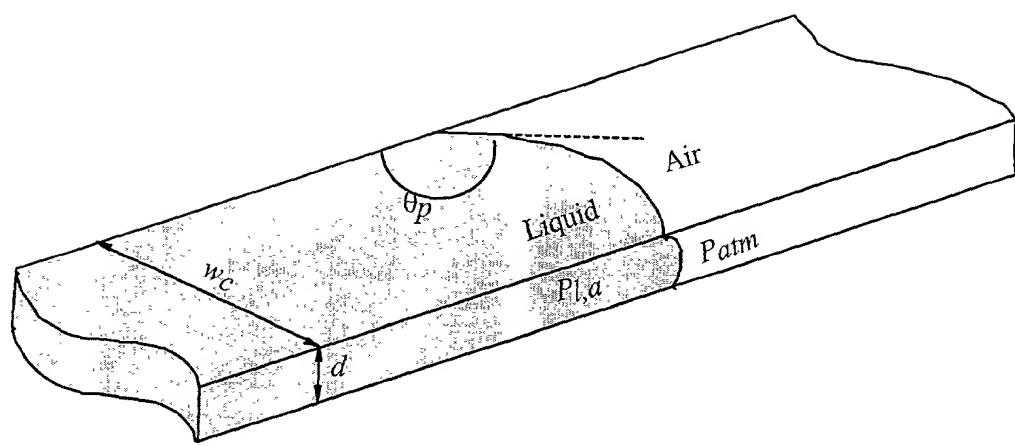
(a)

(b)

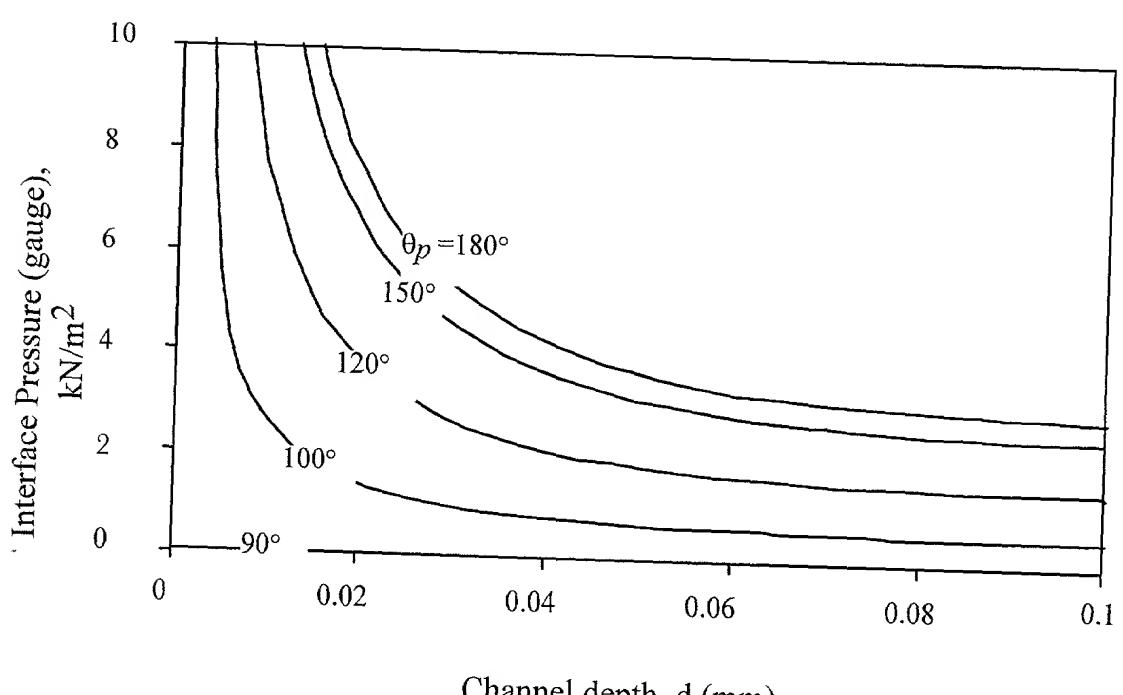


(c)

Figure 13



(a)



(b)

Figure 14

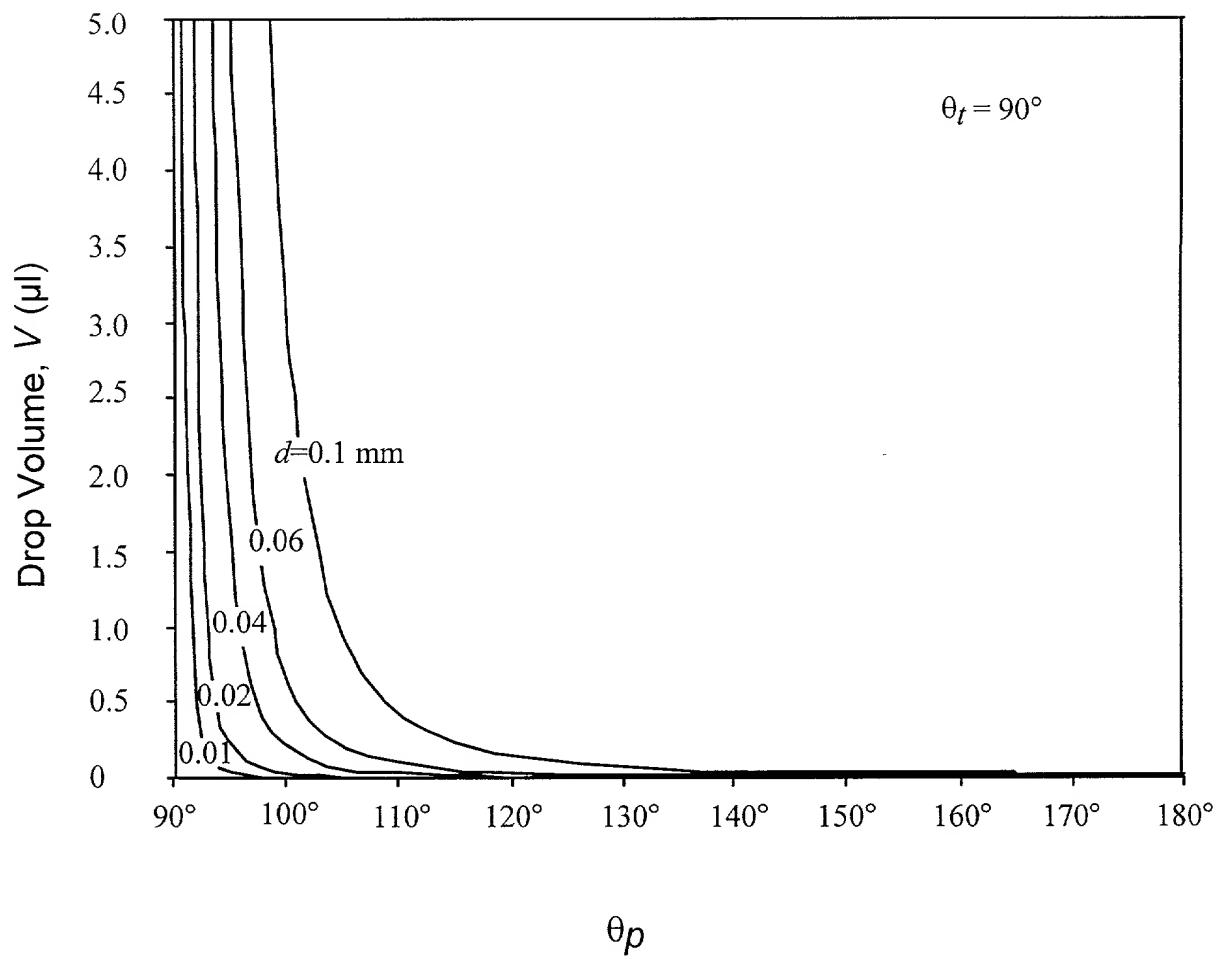
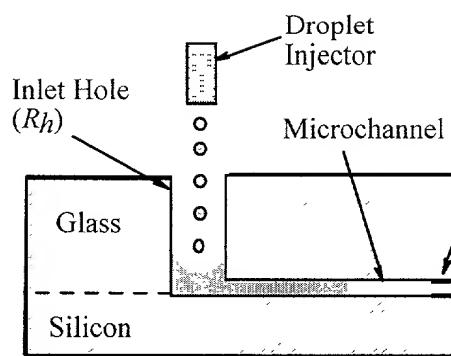
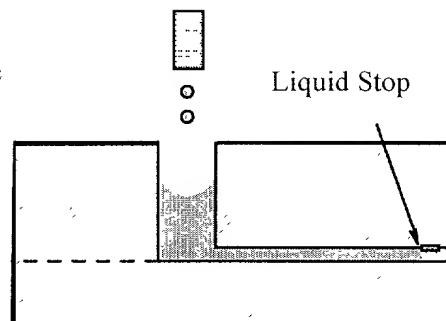


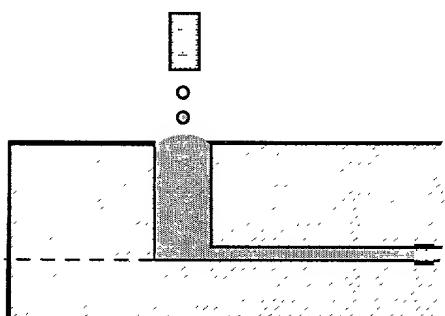
Figure 15



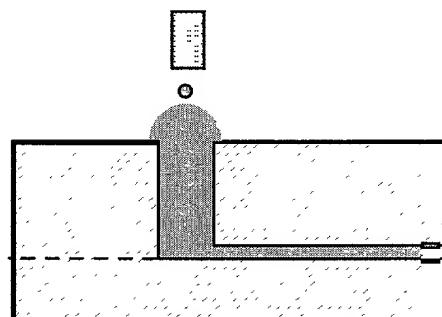
(a)



(b)



(c)



(d)

Figure 16

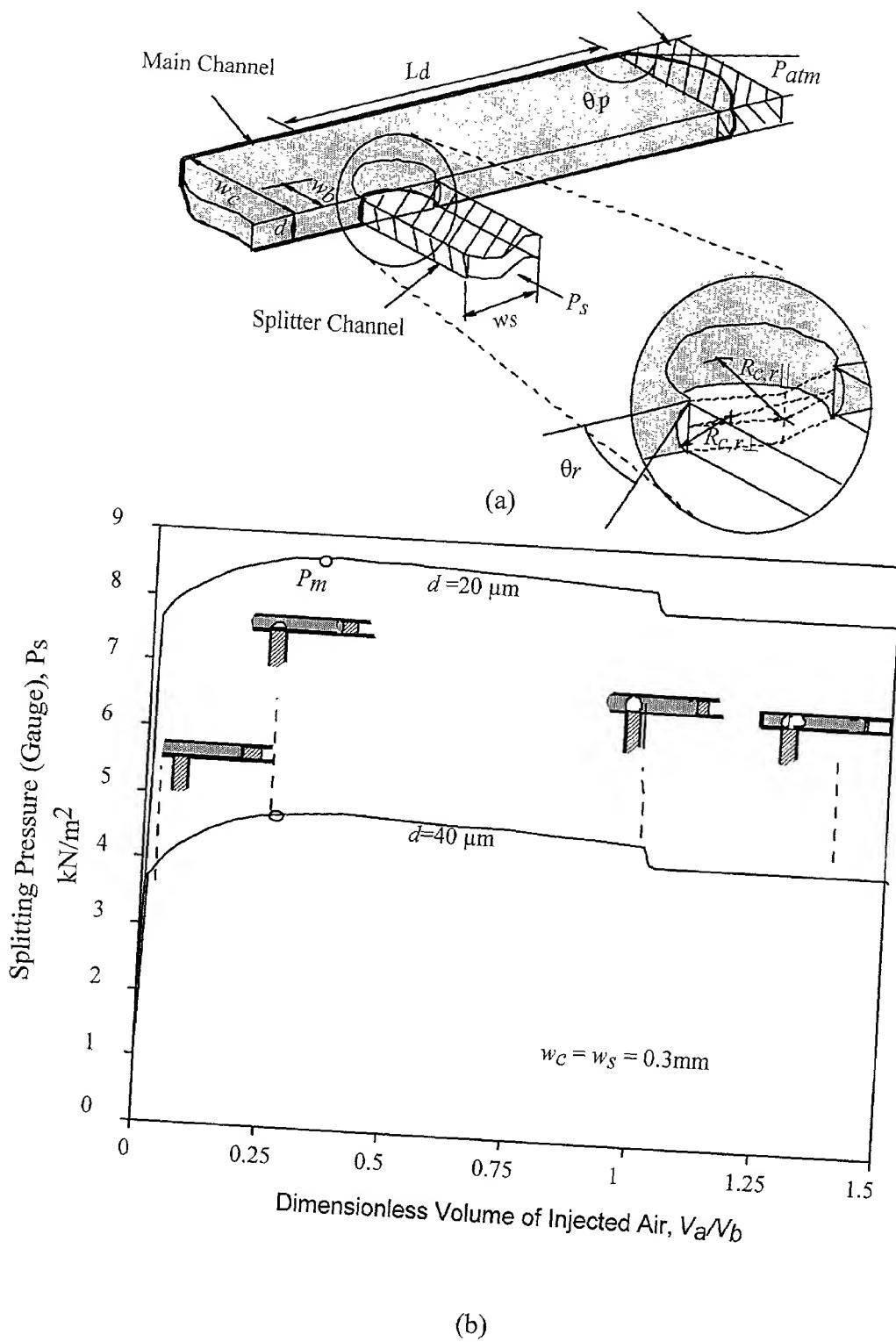
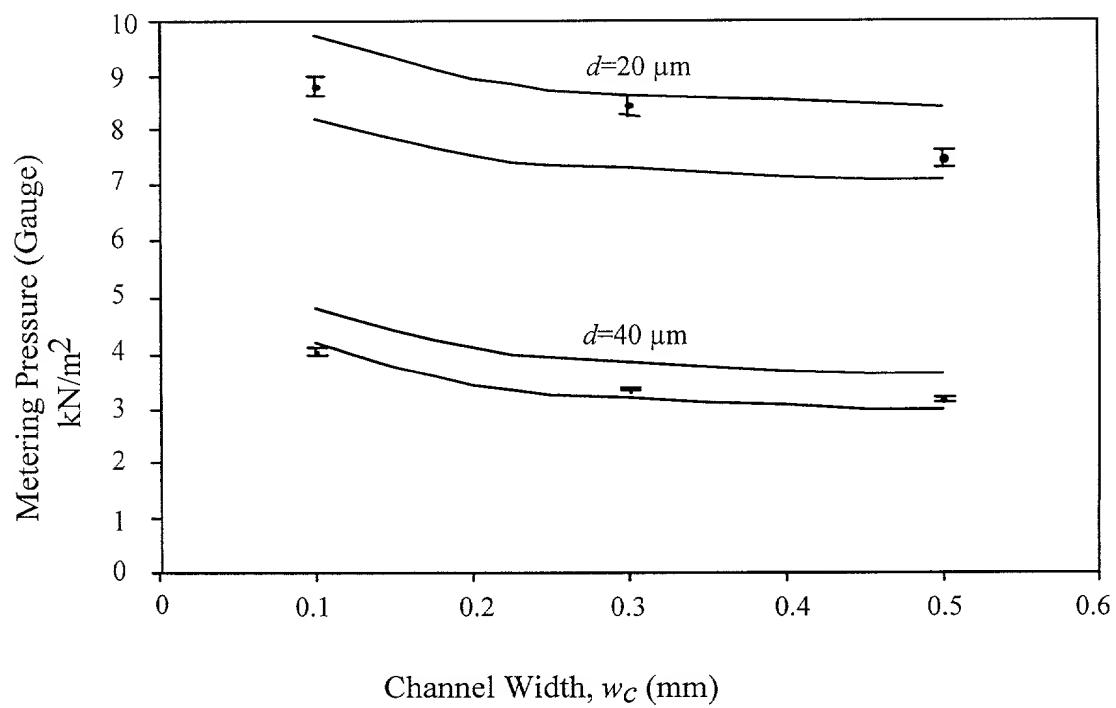
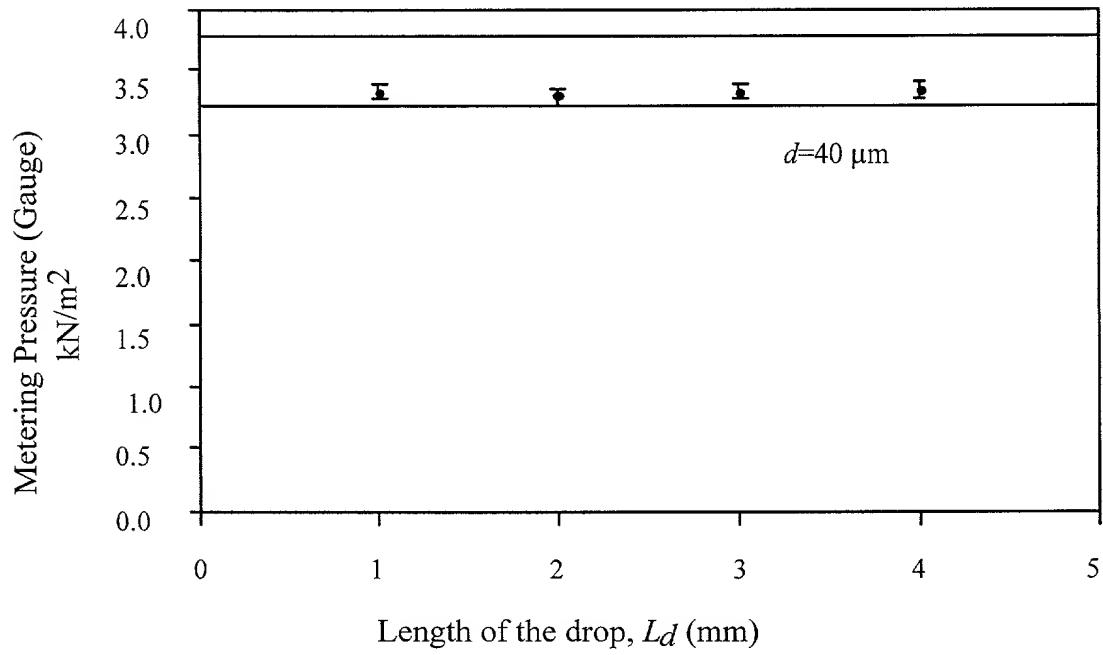


Figure 17



(a)



(b)

Figure 18

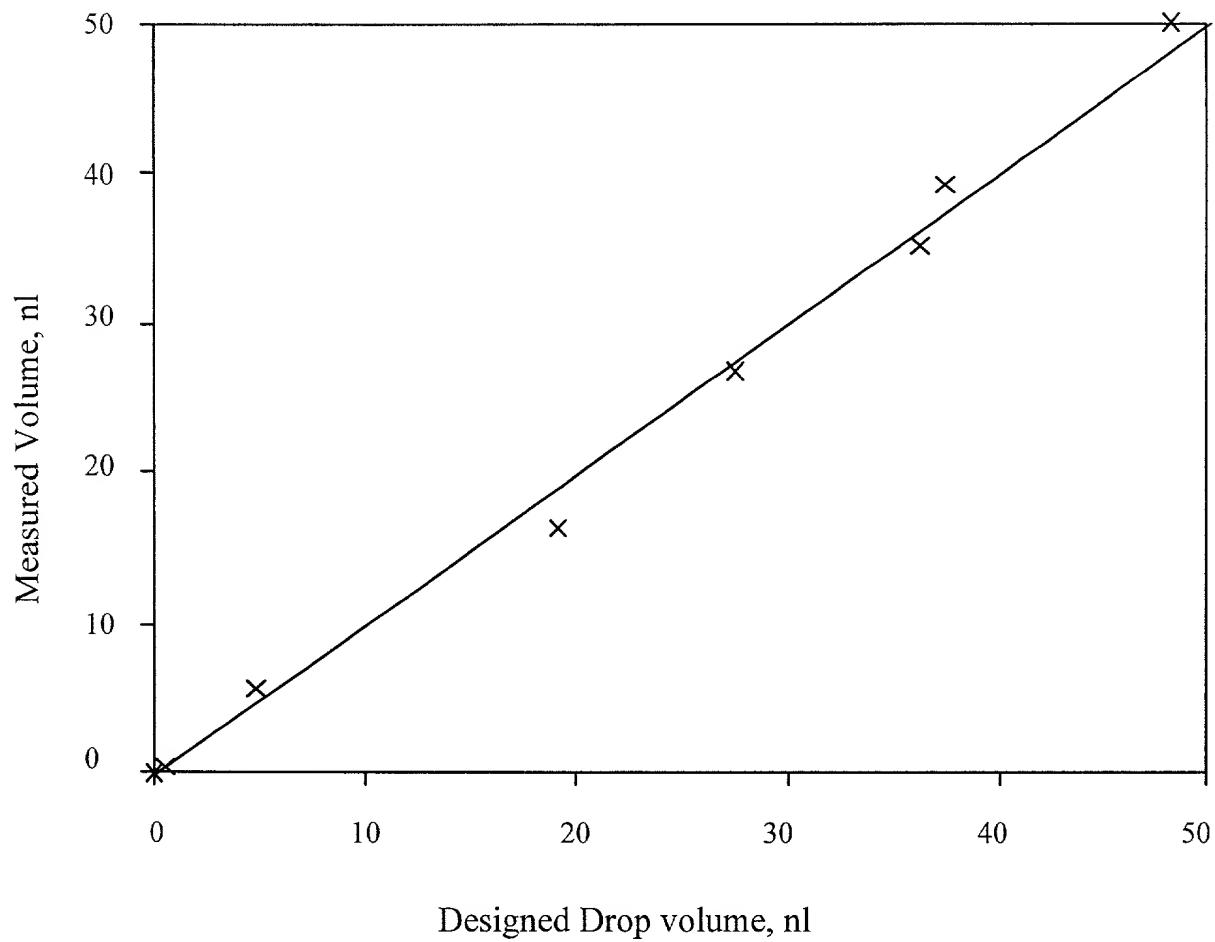


Figure 19

FIGURE 20

PCR Results with Standard Reagent Amounts

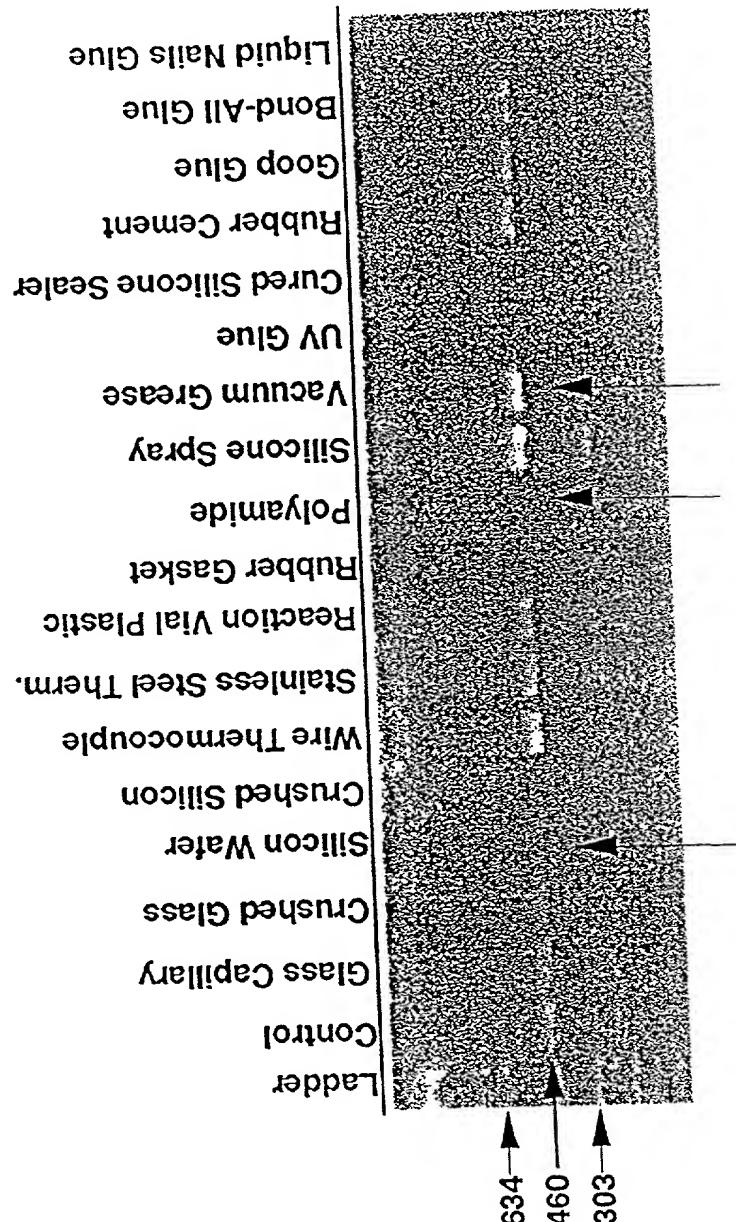
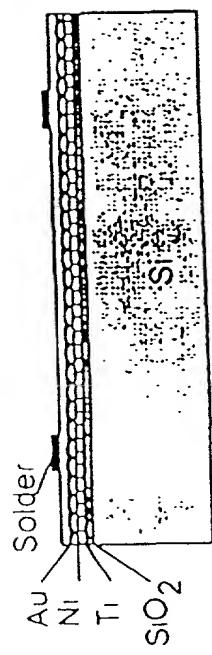
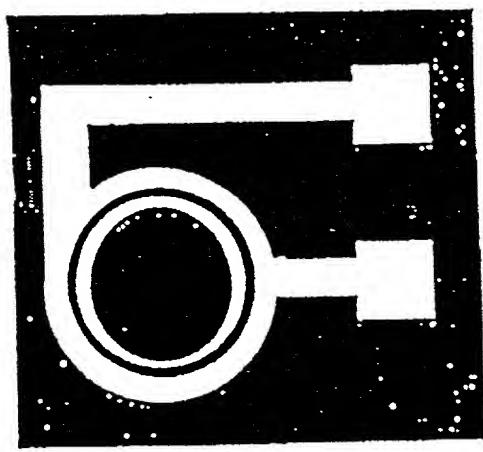
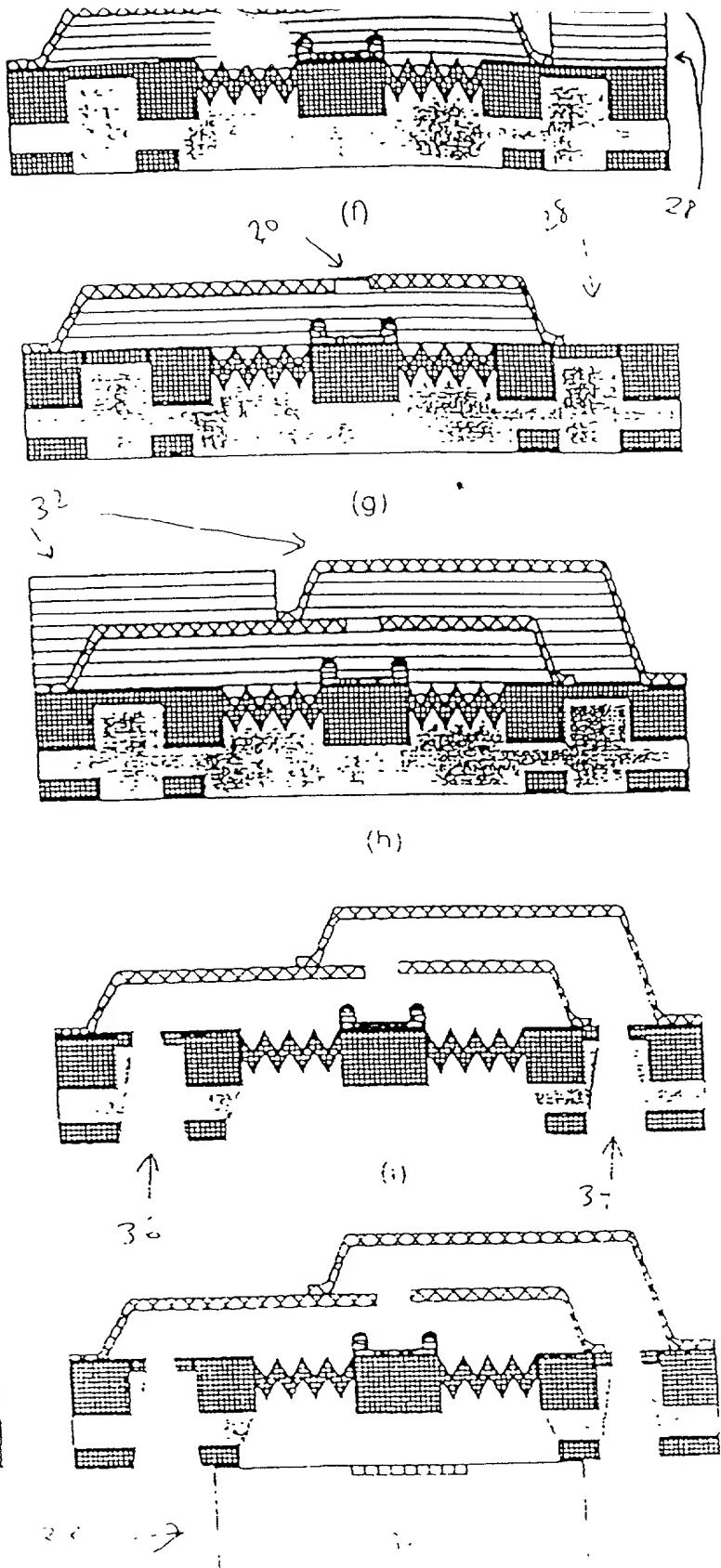
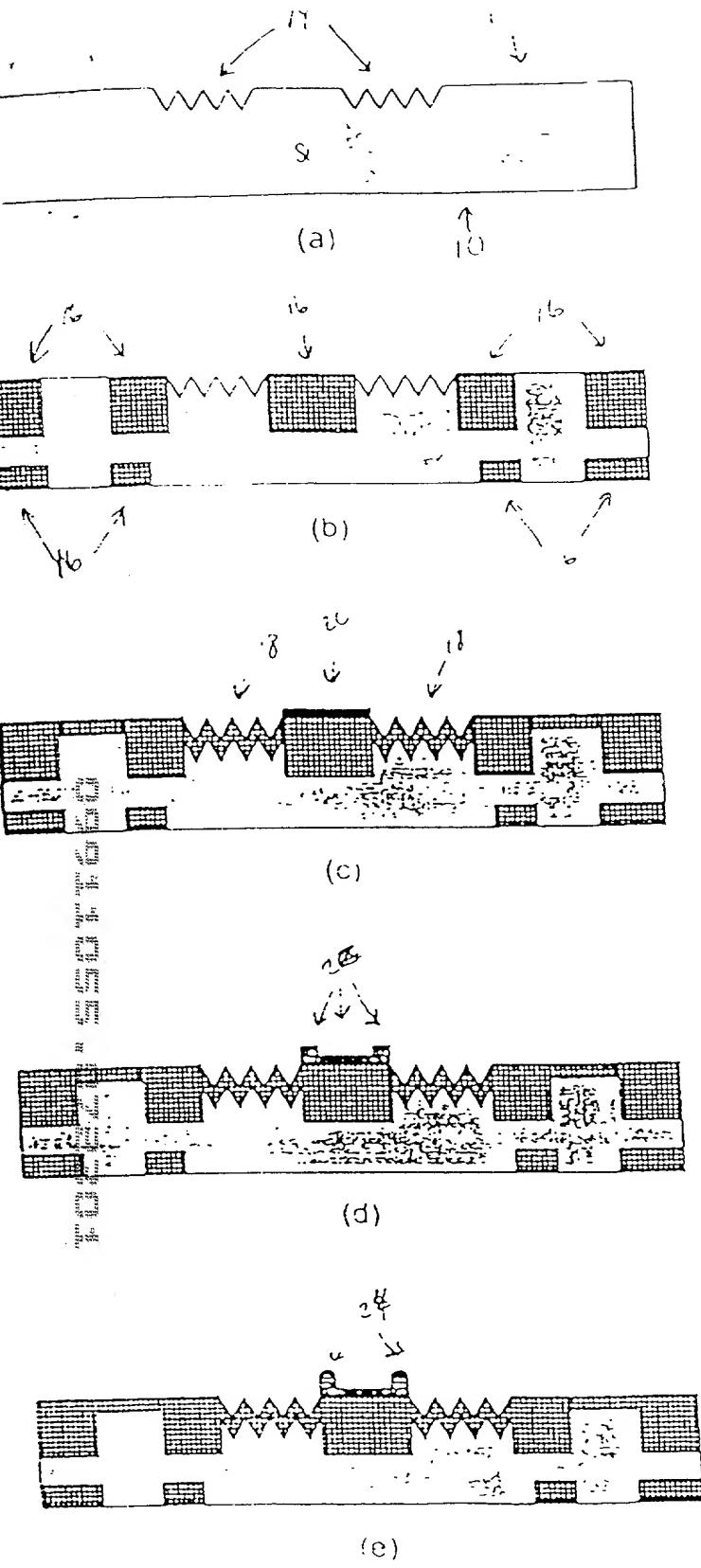


FIGURE 21





█ Bumpless █ Solder

█ Ni/Au █ Photoreactive

█ Ni █ Ti/Pt

█ Ti/Ni/Au

FIGURE 22

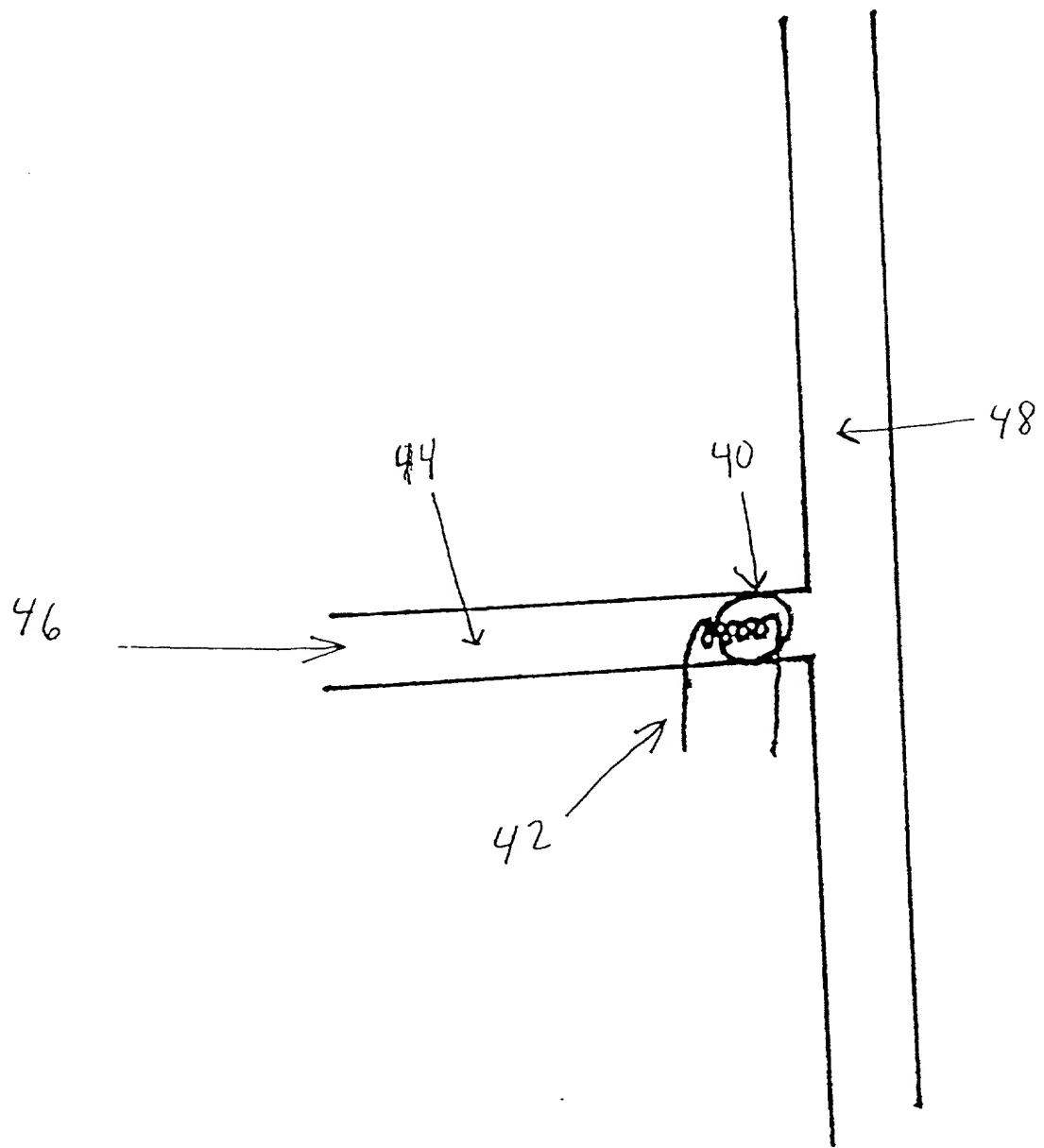


FIGURE 23

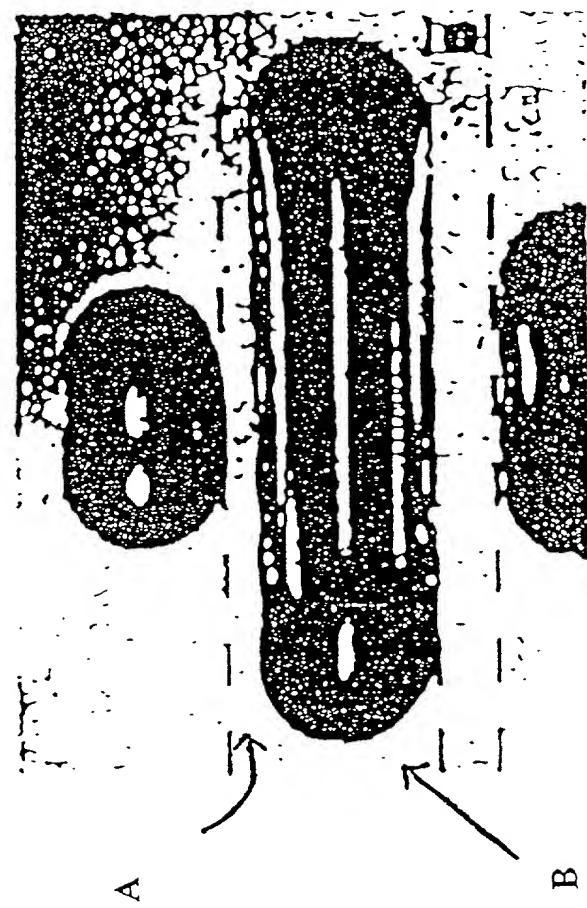
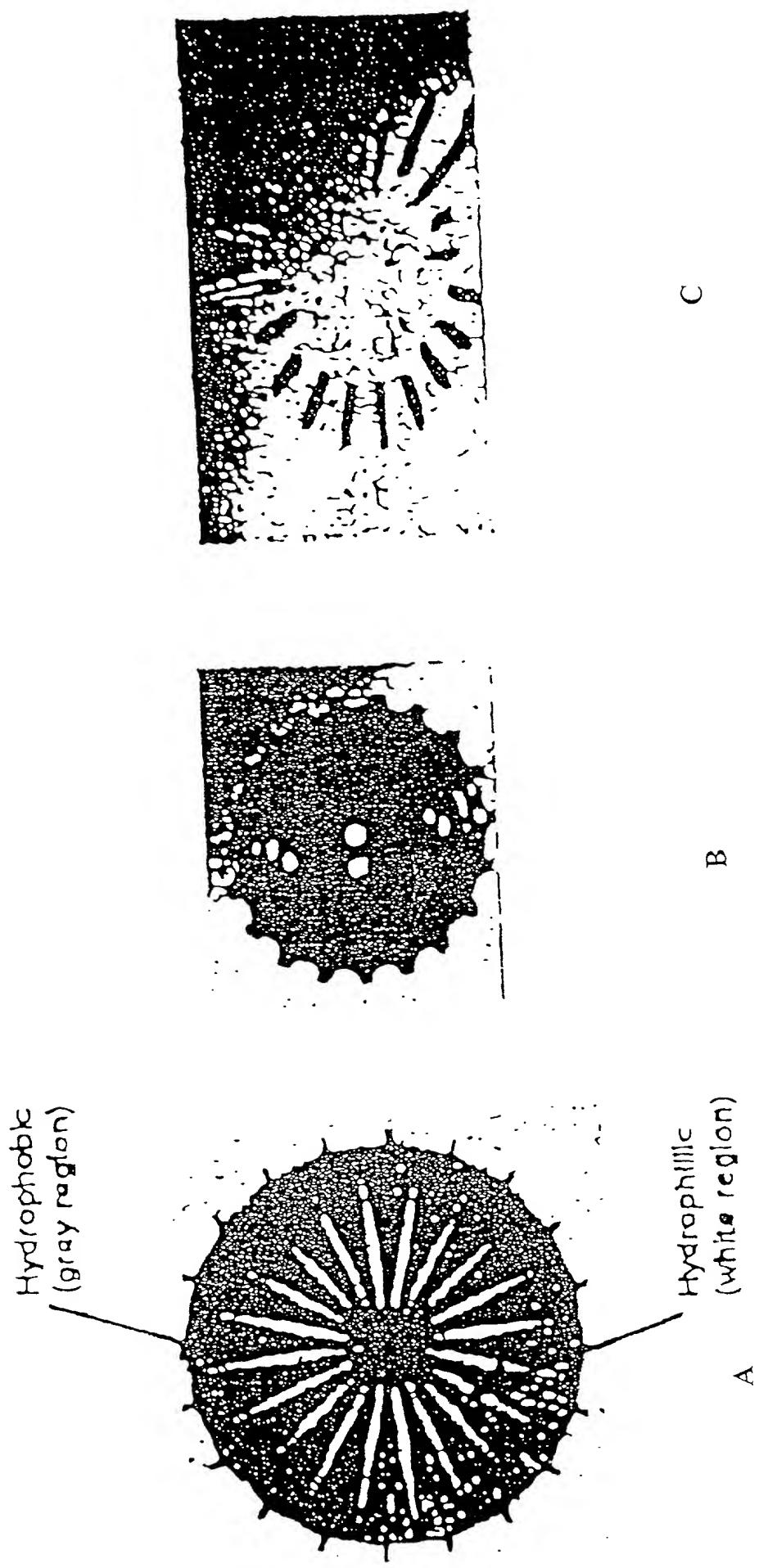


FIGURE 24

FIGURE 25



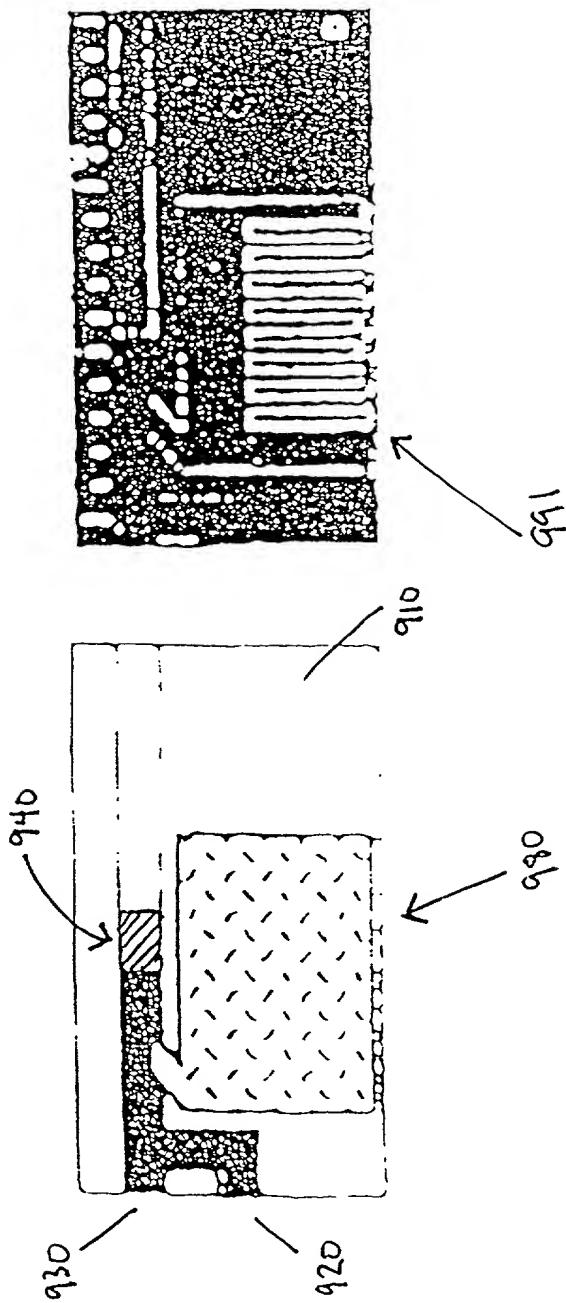


FIGURE 26A

FIGURE 26B

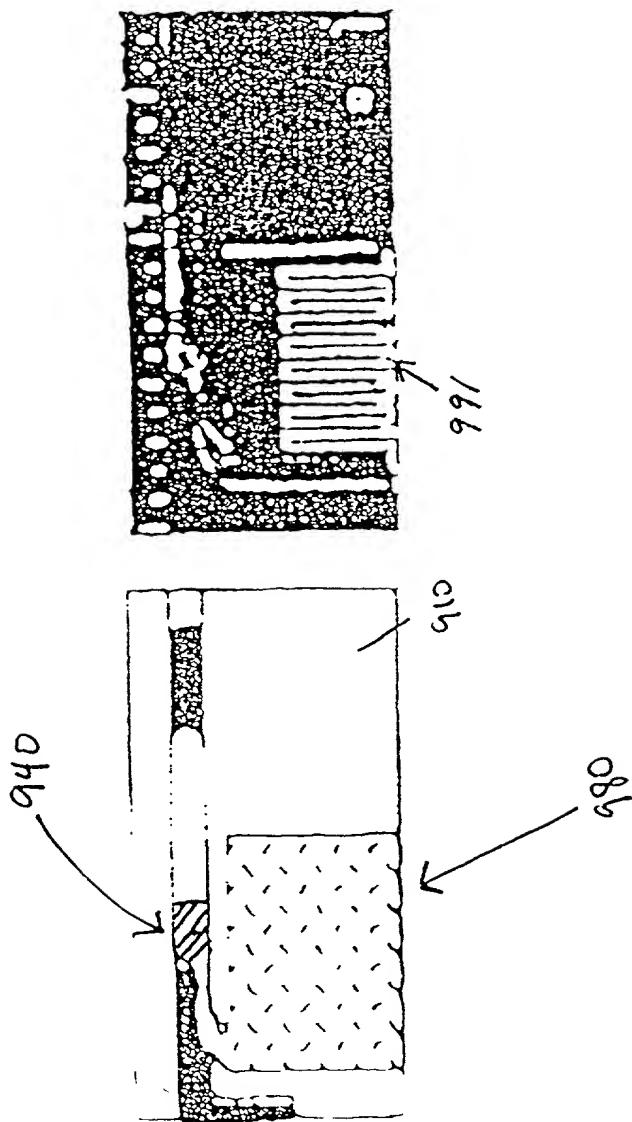


FIGURE 26C

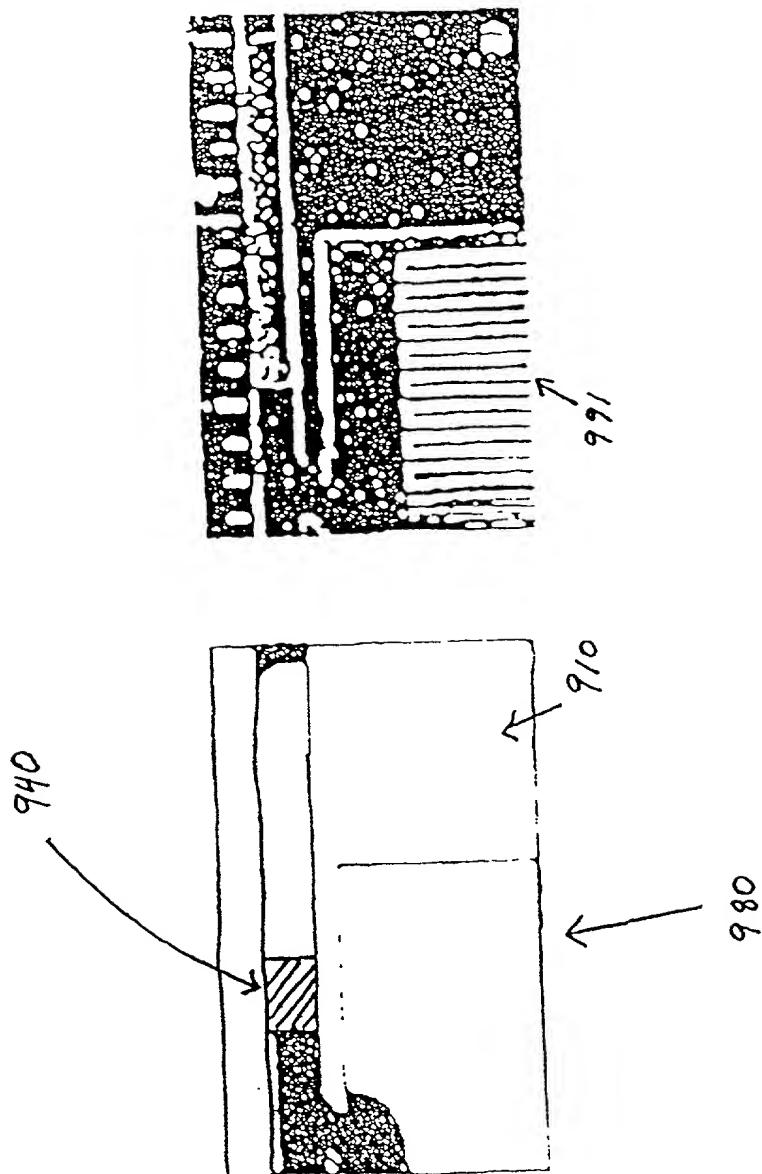
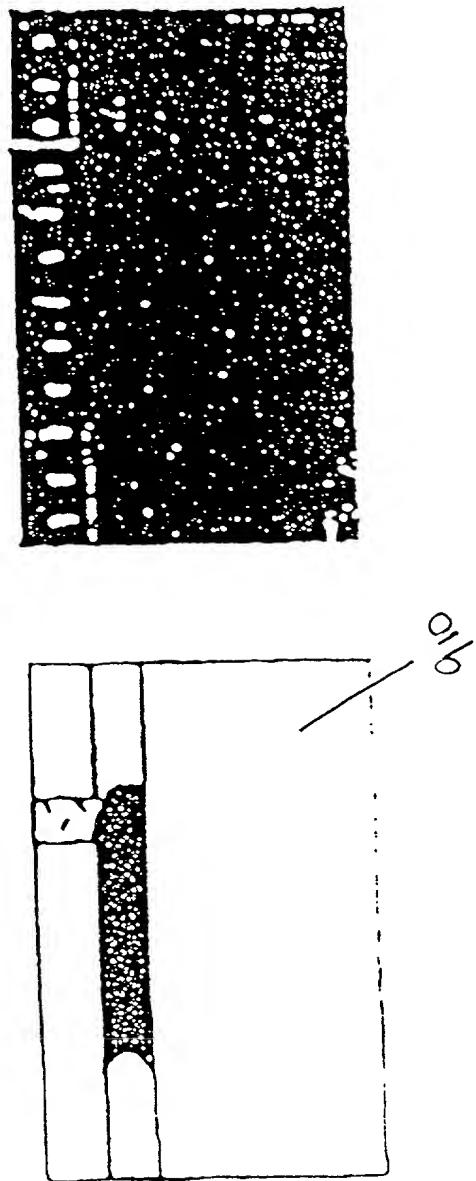


FIGURE 26D



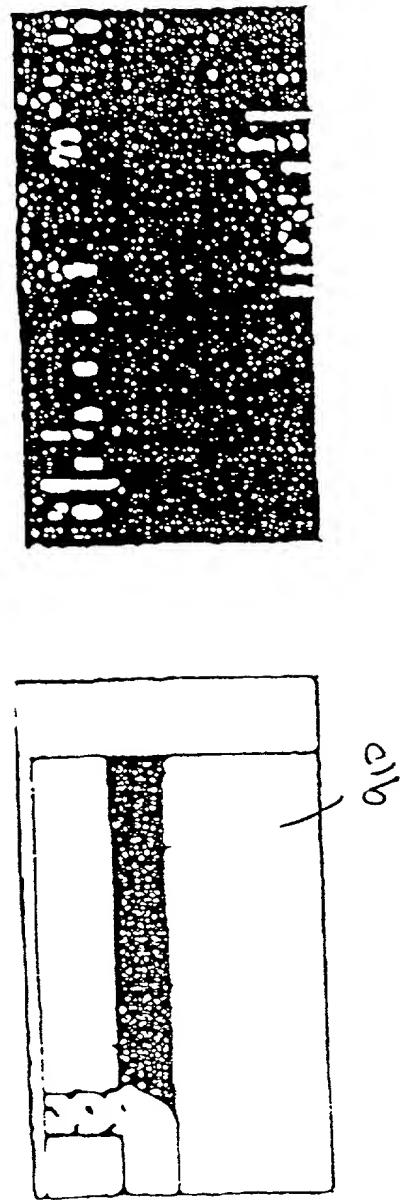


FIGURE 26E